

AMENDMENT TO THE SPECIFICATION

Please replace paragraphs [0014] thru [0018], [0026], [0030] and [0050] of Publication No. 2006/0083494 under the instant application with:

“[0014] To achieve the above objects, in a radiating pipe that includes a certain shaped pipe body, and a heat wire passing through the interior of the pipe body wherein both ends of the pipe body are sealed by a plugging cap, there is provided an electric radiating pipe comprising a porous inflammable operation medium and volatile operation fluid being mixed and being filled into the interior of the pipe body.

[0015] The operation medium has a size of 1.about.3 mm and is formed in a circular shape or an elliptical shape or a polygonal shape and is selected from the group comprising yellow earth grains, charcoal, gravel, zeolite, porous non-flammable ~~inflammable~~ cotton, non-woven fabric, and rope.

[0016] To achieve the above objects, there is provided an electric mat that includes an adiabatic member installed on the floor, a certain shaped pipe body, a plugging cap sealing both ends of the pipe body, a radiating pipe inserted into the pipe body and having a heat wire capable of generating heat when power is supplied, an electric plate installed in an upper side of the radiating pipe, and a finishing material layer installed in an upper side of the electric plate, there is provided an electric mat comprising a porous non-flammable ~~inflammable~~ operation medium and a volatile operation fluid being mixed and inserted into the interior of the radiating pipe.

[0017] To achieve the above objects, there is provided an electric radiator that includes a radiating pipe formed of a certain shaped pipe body, a heat wire installed in the radiating pipe and generating heat when power is supplied, and a plurality of radiating plates installed vertically with respect to the radiating pipe and generating heat of the radiating pipe, there is provided an electric radiator, comprising a porous non-flammable ~~inflammable~~ operation medium and a volatile operation fluid being mixed and inserted into the interior of the radiating pipe.

[0018] To achieve the above objects, in an electric boiler that includes a certain shaped pipe body, a sealing cap capable of sealing both ends of the pipe body, and a heat wire inserted into the pipe body and capable of generating heat when power is supplied, there is provided an electric boiler comprising a porous non-flammable ~~inflammable~~ operation medium and a volatile operation fluid being mixed and inserted into the interior of the radiating pipe.

[0026] As shown in FIG. 1, a radiation pipe according to an embodiment of the present invention includes a pipe body 2 having a certain length, a plugging cap 3 adapted to tightly cap both ends of the pipe body 2, a heat wire 5 accommodated in the interior of the pipe body 2 based on an insulation method and heated by power supplied thereto, and a porous non-flammable ~~inflammable~~ operation medium 6 and a volatile operation fluid 7 surrounding the heat wires with an operation fluid 7 therein and being filled into the interior of the pipe body 2. In addition, a bimetal 8 capable of measuring temperature and pressure in the interior of the pipe body 2 is installed.

[0030] The operation medium is formed of one selected among a grain type material such as yellow earth having moisture and non-flammable ~~inflammable~~ and intensive dense holes, charcoal, zeolite, etc. and a non-grain type material such as cotton, non-woven fabric, compression fiber, etc. In particular, the operation medium is preferably filled in the pipe body 2 and is formed of a non-flammable ~~an inflammable~~ compression fiber covering the heat wire 5.

[0050] The same heat wire is inserted into the same pipe body as the pipe body of the embodiment 3 of the present invention. In a state that a non-flammable ~~an inflammable~~ fiber is not inserted, only the operation fluid is filled 100%, and a digital thermometer is inserted between the third and fourth radiating pipes. The average temperature is measured a few times after 30 minutes."